

## Sidebar: Typical Readings

### Atmospheric draft gas fired burners\*:

- Efficiency - 75-80 percent.
- O<sub>2</sub> - 7-9 percent.
- CO<sub>2</sub> - 6.5-8 percent.
- Stack temp - 325° to 500°F.
- Draft - -0.02 to -0.04 inch wc.
- CO - < 100 ppm (undiluted).

### Oil-fired power burners\*:

- O<sub>2</sub> - (cast iron cone) 5-9 percent.
- O<sub>2</sub> - (flame retention) 3-6 percent.
- CO<sub>2</sub> - 10-12.5 percent.
- Stack temp - 60-79 percent AFUE 400° to 600°
- Stack temp - 80-plus AFUE 330° to 450°.
- Stack temp - 90-plus AFUE less than 125°.
- Draft - -0.02 inch wc overfire.
- Draft (stack) - -0.02 inch wc/0.04 inch wc.
- CO - <50 ppm (diluted).
- Smoke spot - #0-#1.
- Oil pressure - 100-150 psi (per manufacturer).

### Gas-fired power burners\*:

- O<sub>2</sub> - 3-6 percent.
- CO<sub>2</sub> - 8.5-11 percent.
- Stack temp (gross) - 320° to 570°
- Draft - -0.02 to -0.04 inch wc overfire.
- Draft - positive pressure (manufacturer's specifications).
- CO - <100 ppm (diluted).

### Draft sealed combustion induced gas-fired burners (90-plus AFUE)\*:

- Efficiency - 88-92 percent.
- O<sub>2</sub> - 5-7 percent.
- CO<sub>2</sub> - 7-8.5 percent.
- Stack temp - Less than 125°.
- Draft - 0.02 to 0.08 inch wc.
- CO - <100 ppm (undiluted).

### Draft induced gas fired burners\*:

- Efficiency - 80-82 percent.
- O<sub>2</sub> - 7-9 percent.
- CO<sub>2</sub> - 6.5-8 percent.

- Stack temp - 325° to 400°.
- Draft - -0.02 to -0.004 inch wc.
- CO - < 100 ppm (undiluted).

\*Always follow the manufacturer's specifications.